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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 biomedical applications, to engineer PHA monomer synthases or to prepare biologically active agents, such as chemotherapenties, immunosuperessants, agents to treat asthma, chronic obstructive pulmonary discuses as well as edger discuses involving respiratory inflammation, cholesterol-lowering agents or macrolide-based antibiotics which are active against a variety of cramisms, e.g., bacteria, including active against a variety of cramisms, e.g., bacteria, including
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and the beta dimestralse encyme (involved in pieromycin biosynthesis). These compounds are also useful for increasing the artibiotic activity of a compound to true to the second of the compound to true to second on the mathematical aspectic systems that allow rapid engineering of the mathematic polyketide synthase, these would be valuable for creatural materials ketalide analogs for pharmaceutical applications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a CL2 hydroxyalse (pick), desosamine biosynthesis and desosaminyl transferase enzymes (useful for conversion of ketofides to antibiotics).
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antiliotic; čli bydroxyalse; ploK; descenmino baosyminesis;
descenminy Litanstorase encyme; kotolido, beta alucosidase encyme;
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of many antibioties includes picromyclm. The narbonolide PKS consists of a loading module, six extender modules, and two thiorster domains. Four
                                             synthase (PKS). The invention relates to recombinant DNA containing a coding sequence for a nathemolide PKS. Polyketides are compounds synthesised from 2 carbon units through a series of condensations and
proteins make up the narrouselede PKS (PICAL PICALL PICAIL and PICALV)
                                                                                    This is the recombinant essonict pROS024-27 DNA sequence which contains a Streptomyces venezuetae DNA itsert. The cosmid contains open reading trames which encode the various modules of the partonolide polyketide
                                 subsequent modifications. Moderar PKSs are responsible for the production
                                                                                                                                       Example 2: Page 16 27; 98pp; English.
                                                                                                                                                               New rememblement DNA encoding a domain of marbanalide polyketide synthase, for production of ketolide antibiotics:
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Best Local Similarity 70.7
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                    The invention relates to the ssrA dese or tmBNA, an RNA transcript of the ssrA gene, or fradments thereof as target regions in a nucleic acid probe assa; for the detection and identification of prokaryotic and forther products. The invention and identification of prokaryotic and forther products the invention and identification of the problem and their tmRNA transcripts (claimed), and to pan backerial, generates and species specific ssrA gene/fugRNA directed probes and RP
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                                                                                                                                                                                                                                                                        for determination of species
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    AAFT SHA
                                                                              AAFIERS standard; cbNA; [53] BE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               in the distrointestinal tract. The methods and nucleic acids and compositions of the recention have applications in modicine, and also in industry (e.a., for assessing bacterial contamination of a toodsfuff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              etticacy of drug therapies against infectious agents, larget regions may
also be used to monitor the glability and legel of predictic organisms
in the approximational tract. The methods and nucleic acids and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       end of the PAA medeenths can be used as a different target region in a nucleur acid probe assay, while a fradment of the ssrA gene of a smith NA medeent acid probe assay, while a fradment of the ssrA gene of a smith NA medeents corresponding to a region of low homology can be used as a fairness region to distinguish between species and as a fairness
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of an editionmental sample). Sequences AAF1544 FP5547 represent tubMAs of transments there to transmississississely of areamsems.
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an issrA denote of tuBNA, or a traducent thereof can be used to design an
aden) directed adminst infectious prokaryetic of energy-tic organisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 prokaryetic or eukaryetic organisms. A fragment of the SSIA gene or
the tmRNA transcript can be used in an assay to obtain a DNA profile
of a prokaryetic organism and distinguish between strains of the rame
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of prokaryotic or enharyotic organisms. An serA demoprobe or a tuRNA transcript probe can be linked to redeterring deposition of for the boost scale high throughput detection and identification of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      between living and dead prekaryotic or enkaryotic organisms, and in
a multiple probe tornat for broad scale detection and/or identification
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tor therepeatic purposes, and target regions may be used to monitor the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         target regions may be used as the basis of an assay for distinguishing
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regording transcried mBNAs which have lost stop codons, BarA genes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           acid probe assay for the detection and identification of prokaryotic and/serocking the armsical the invention also relates to strokers.
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                                                                                                                                 RESULT 10
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Best local S
                                                                                                                                                                                              or research purposes. The prostate cancer antiques may be used to treat disorders such as mental, imman, muscular, reproductive, astrointestinal, pulmenter, and evaluational, and proliferative disorders, wounds, and intertious disorses. AAF16906 to AAF16514 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and can be used in gone therapy. The prostate cancer antigen polynnelectides may be used for detection of prostate cancer, chromosome identification, as chromosome markers, and for numerous other diagnostic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The prostate cancer antidons an have negroprotective, cytostatic, credicartive, immunementative, muscular, velocity, dastrointestinal, nephrotropic, antidificetive, synaecological and antibacterial activities
                                                                                      AAH18536 standard; cbNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  AABGRO3 represent sequences used in the exemplification of the present
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The probable cancer and meaning aliven in AARSAGA to AARS7302
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Haman: prostate case of prostate case of antique, detection diagnosis; necessive test per sytestatio; endicate ive; inducementalistics ensemble; valuerary cast contestitat; neghrotopic; antilinective quastrointesticat; neghrotopic; antilinective; regarded in antiberary case contestity; neural: immune; reproductive; renal;
26 JUN-2001 (First entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 disorders such as prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cancer antigens, useful to treatment, prevention, and diagnosis of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prostate cancer associated done sequences, referred to as prostate
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                                                                                                                                                                                                                                                                                                      boom! Similarity
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Human cDNA sequence SEQ II: Not. 8687

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Best Local Similarit;
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                                                                                                                                                                                                                                                                                                                                                                                    the specification has primer sets can be used in antisense therapy and in one thorapy. The primers are useful for synthesising polynucleotides, particularly tull legath cDMAs. The primers are also useful for the detection and/or claimesis of the abnormality of the proteins encoded by the tull-legath cDMAs. The primers allow obtaining of the full-legath cDMAs casily without any specialised methods. AAH03166 to AAH13628 and AAH3638 to AAH13642 represent boman cDMA sequences; AAH92446 to AAH3648 to AAH3648 represent boman cDMA sequences; AAH92446 to AAH3648 represent boman amino acid sequences; and AAH1669 to AAH13638.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to the complementary strand of a polynucleatide which comprises one of the 5002 nuclectide sequences defined in the specification, where the oligonucleotide comprises at least 15 nucleotides; or (5) a combination of an eligonucleotide comprising a sequence complementary to the comprementary strand of a polynucleatide which comprises a 5'-end sequence and at eligonucleotide comprists a sequence complementary to a polynucleotide which comprises a 3'-end sequence, where the oligonucleotide comprises at least 15 nucleotides and the combination of the 5'-end sequence; where the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-AHC-1999; 29JF-C300253.
127-AHC-1999; 2000JF-C11H276.
C2-MAY-2000; 2000JF-C18/767.
09-FTN-2000; 2000JF-C241899.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       full length cDNAs detried in the specification. Where a primer set comprises: (a) an objector of primer and an objective to the complementary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Primer sets for synthesizing polynumlectides, particularly the 502 null length ctNAs letined in the specification, and for the detection and/or diagnosis of the abnormality of the proteins encoded by the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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                                                                                                     represent of ignoral estimes, all of which are used in the exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                     Sequence 3408 BP; 1033 A; 647 C; 839 G; 869 T; n other;
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Suqiyama T, Wakamatsu A, Nagai K.
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7υ.0%;
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                                                                                                                                                                                                               Score 20.8;
Pred. No. 3
                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                    35
                                                                                                                                                                                                                                      DH 22: Length 3408;
                                                                                                                                                                                             12:
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K. otsuki T:
                                                                                                                                                                                             Indels
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